ECS Configuration Change Request

1. Originator	2. Log Date:	3. CCR #:	4. Rev:	5. Tel:	6. Rm #:	7. Dept.
Sarah Lewallen	05/22/03	03-0364	—	301-925-0865	2117B	SE

8. CCR Title: Reduce the TCP listen drop time from 240000 to 30000 on SUN servers at the DAACs and SMC.

9. Originator Signature/Date	10. Class	11. Type:	12. Need Date: 5/30/03
Sarah Lewallen /s/ 05/22/03	II	CCR	

13. Office Manager Signature/Date	14. Category of Change:	15. Priority: (If "Emergency" fill in Block 27).
James Mather /s/ 05/22/03	Update ECS Baseline Doc.	Routine

16. Documentation/Drawings Impacted *(Review and submit checklist):* 920-TDx-015	17. Schedule Impact: None	18. CI(s) Affected:N/A

19. Release Affected by this Change: 6A, 6B	20. Date due to Customer:	21. Estimated Cost: None - Under 100K

22. Source Reference: ☐NCR (attach) ☐Action Item ☐Tech Ref. ☐GSFC ☐Other:

23. Problem: (use additional Sheets if necessary)
The SUN systems are running out of sockets. The systems are set to hold the old sockets for 4 minutes. These connections need to be released quicker to be able to create new connections. The release interval time needs to be decreased to 30 seconds on all SUN servers. For example, the tool called EZ uses sockets to distribute the custom code and configuration. Once the install is completed, the operator must wait 4 minutes for the sockets to be released before another install is started. If a package is missed, the operator can't reinstall until this period has passed.

24. Proposed Solution: (use additional sheets if necessary)
Change the kernel parameter in /dev/tcp tcp_time_wait_interval from 240000 to 30000

25. Alternate Solution: (use additional sheets if necessary)
None

26. Consequences if Change(s) are not approved: (use additional sheets if necessary)
Will continue to get socket error messages when running custom code.

27. Justification for Emergency (If Block 15 is "Emergency"):

28. Site(s) Affected: ☐EDF ☐PVC ☐VATC ☒EDC ☒ GSFC ☒LaRC ☒NSIDC ☒SMC ☐AK ☐JPL ☐EOC ☐ IDG Test Cell ☐Other

29. Board Comments:	30. Work Assigned To:	31. CCR Closed Date:

32. EDF/SCDV CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
33. M&O CCB Chair (Sign/Date): G. G. Gavigan, Jr. /s/ 05/27/03	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS
34. ECS CCB Chair (Sign/Date):	Disposition: Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS